

DUKE POWER COMPANY

McGUIRE NUCLEAR STATION

PUMP AND VALVE INSERVICE TESTING

UNIT 1

REVISION # 7

System: Containment Spray

Valve Number	Class	Drawing Number	Coordinates	Valve Category				Test Requirements	Relief Requests	Testing Alternative	Remarks
				A	B	C	D				
INS-33	B	MC-1563-1.0	H-2			X		MT	X	RF	
4   INS-4	B	MC-1563-1.0	B-12			X		MT	X	RF	
4   INS-3B	B	MC-1563-1.0	B-13		X			CT			30 sec. max. cycle time
4   INS-1B	B	MC-1563-1.0	C-13		X			CT			30 sec. max. cycle time
INS-15B	B	MC-1563-1.0	D-4		X			CT			10 sec. max. cycle time
4   INS-16	B	MC-1563-1.0	D-2			X		MT	X	RF	
INS-12B	B	MC-1563-1.0	C-4		X			CT			10 sec. max. cycle time
4   INS-13	B	MC-1563-1.0	B-2			X		MT	X	RF	

VALVE: 1NS-30, 1NS-33, 1NS-16, 1NS-13, 1NS-46, 1NS-41

CATEGORY: C

CLASS: B

FUNCTION: Open on flow from the Containment Spray Pumps.

TEST REQUIREMENT: Verify proper valve movement once per three months, IWV-3522.

BASIS FOR RELIEF: Full stroke exercising of these check valves is not practical since there is no external indication of disk movement. Full stroke exercising would require for the pumps and spray nozzles to be activated which would require a large scale clean up effort. Provisions for disassembly of these 8 inch valves are not installed, thus subjecting personnel to an extreme hazard due to the valves location up near the containment dome.

ALTERNATE TESTING: These valves will be tested during refueling outages by partial stroke exercising the valves using air.